

Coursework Lab Session 02

Cohort: E

Submission link: <https://codeboard.io/projects/374829>

Deadline: 21:00 WIB, Thursday, February 16, 2023

Bob's Deli, a popular food truck in the park, sells various types of food with prices listed below:

- Burgers **\$7000** each
- Fries **\$3000** per serving
- Soft Drinks **\$4000** per bottle

One hot summer day, Bob decided to have a special promotion for the customers. He posted a sign saying:

Summer Sale:

- Burgers **15% off**
- Fries **20% off**
- Soft Drinks **10% off**

Feeling hungry, **Jane** stumbled upon the food truck and saw the promotion sign. She couldn't resist the discount and ended up buying more food than she needed. She ordered **two burgers, three servings of fries, and four bottles of soft drinks**.

She handed **\$50000** to Bob. To her surprise, the price of the food also included a **13%** value-added tax. Additionally, since Bob only accepts payments in **\$1000** denominations, any remaining change was donated to a local charity. Bob gave her a receipt which she found confusing and wanted to understand how it was made. The receipt is shown below:

```
-----  
Bob's Deli Receipt  
-----  
Number of Burgers: 2  
Number of Fries: 3  
Number of Soft Drinks: 4  
Total Price before Tax: $33500.0  
Tax: $4355.0  
Total Price after Tax: $37855.0  
Amount Paid: $50000.0  
Change: $12145.0  
Donated Amount: $145.0  
-----  
Thank you for choosing Bob's Deli!
```

Can you help Jane by writing a program in Java to simulate the process and print the receipt for her?